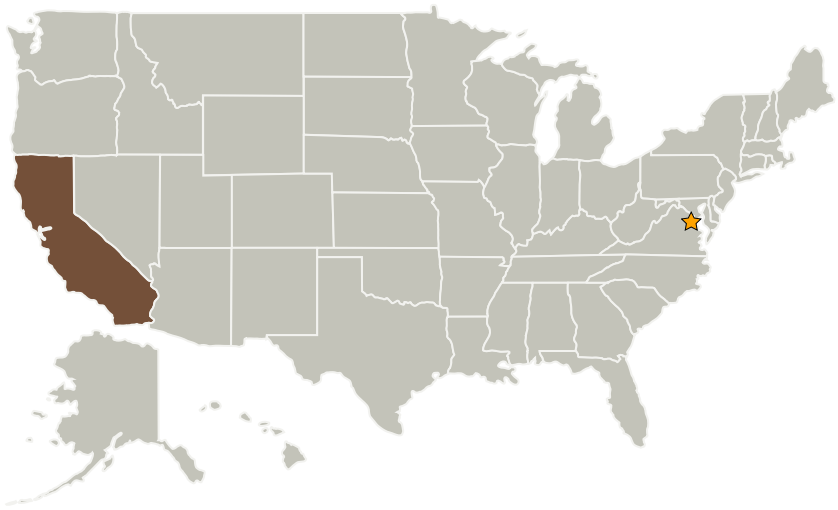
Cloud-Enabled Scientific Collaborative Research Environment (CESCRE)

Completed Technology Project (2012 - 2014)

Project Introduction

Provide a collaborative research environment to streamline software delivery and execution process.
Integrate cloud computing with NASA science algorithms
Improve accessibility of data.
Evaluate the efficacy of cloud services for NASA science algorithms.
Enable scientists to contribute algorithms, software, data, and results in the broader science community.
Demonstrate an end-to-end pipeline for data processing and modeling software.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia

Primary U.S. Work Locations
California

Project Image Cloud-Enabled Scientific Collaborative Research Environment (CESCRE)

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Organizational Responsibility

Responsible Mission Directorate:

Science Mission Directorate (SMD)

Lead Center / Facility:

NASA Headquarters (HQ)

Responsible Program:

Earth Science

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Images

11849-1363100548928.png
Project Image Cloud-Enabled Scientific Collaborative Research Environment (CESCRE)
(https://techport.nasa.gov/image/1706)

Project Management

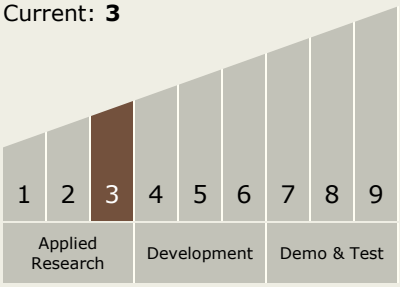
Program Director:
George J Komar

Project Manager:
Michael S Seablom

Principal Investigator:
Khawaja S Shams

Technology Maturity (TRL)

Start: **3**
Current: **3**



Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  - TX11.4 Information Processing
    - TX11.4.4 Collaborative Science and Engineering

Target Destination

Earth